

## TRANSMITTAL FORM

In re )  
Application of: Dandekar, et al. )  
Serial No.: 09/902,957 )  
Filed: July 11, 2001 )  
For: Production of Cumene )

Before the Examiner:  
T. D. Dang  
Group Art Unit No.: 1764  
Confirmation No.: 9213  
Attorney Docket No.: 2001B075

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ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Sir:

- [X] I hereby certify that this Amendment Under 37 C.F.R. 1.111 is being facsimile transmitted to the United States Patent and Trademark Office (Fax No. 703/872-9310) on October 11, 2002.

Laura Clark  
(Typed or printed name of person mailing  
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Laura Clark  
(Signature of person mailing paper or  
fee)

Transmitted herewith is the Amendment Under 37 C.F.R. § 1.111 in the above-identified application.

- [X] Fee for Amendment Under 37 C.F.R. § 1.111 is \$0.00.

- [X] Charge \$0.00 to Deposit Account No. 05-1712.

- [X] The Commissioner is hereby authorized to charge any additional fees which may be required by this paper, or credit any overpayment, to Deposit Account No. 05-1712. A duplicate copy of this Form is enclosed.

October 11, 2002

Date of Signature

Darryl M. Tyus  
Attorney or Agent  
Darryl M. Tyus

Registration No. 40,853  
Telephone No. (281) 834-2581  
Facsimile No. (281) 834-2911

Post Office Address (to which correspondence is to be sent):

ExxonMobil Chemical Company  
Law Technology  
P. O. Box 2149  
Baytown, Texas 77522-2149

**CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)****EXXONMOBIL CHEMICAL COMPANY****Law Technology Group**DATE: October 11, 2002# of Pages: 1 (incl. cover sheet)

TO: T. D. Dang	
COMPANY: USPTO	FAX No.: (703) 872-9310
LOCATION: Washington, D.C.	Phone No.:
FROM: Darryl M. Tyus, Registration No. 40,853	
COMPANY: ExxonMobil Chemical Company	Fax No.: (281) 834-2911
LOCATION: Baytown, Texas	Phone No.: (281) 834-2581

**COMMENTS****\*\*\* OFFICIAL FILING \*\*\*****RE: Response Under 37 C.F.R. 1.111**

Applicant(s): Dandekar, et al.  
Serial No.: 09/902,957  
Filing Date: July 11, 2001  
Our Docket No.: 2001B075  
Examiner: T. D. Dang  
Art Unit No.: 1764  
Invention: "Production of Cumene"

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*I hereby certify that this Response Under 37 C.F.R. 1.111 are being facsimile transmitted to the United States Patent and Trademark Office (Fax No. 703/872-9310) on October 11, 2002.*

*Laura Clark*

Laura Clark  
Telephone: (281) 834-5688

Attorney Docket No. 2001B075

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Dandekar et al.

Serial No. 09/902,957

Filed: July 11, 2001

For: PRODUCTION OF CUMENE

Examiner:

Group Art Unit:

Our Ref.:

T. D. Dang

1764

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## AMENDMENT UNDER 37 C.F.R. 1.111

Attention: **BOX Non-Fee Amendment**  
Assistant Commissioner for Patents  
Washington, D.C. 20231

In response to the final Office Action mailed July 17, 2002, please amend this application as follows.

**IN THE CLAIMS:**

Please cancel existing claims 5 to 11 as requested by Examiner.

Please amend existing claims 1 and 3 as follows:

1. (First Amended) A process for the liquid phase production of cumene which comprises the step of contacting benzene and propylene under liquid phase alkylating conditions with a particulate molecular sieve alkylation catalyst, wherein the particles of said alkylation catalyst have a surface to volume ratio of about 80 to less than 200  $\text{inch}^{-1}$ .

3. (First Amended) The process of claim 1 wherein the molecular sieve of the alkylation catalyst is selected from the group consisting of MCM-22, PSH-3, SSZ-25, MCM-36, MCM-49, MCM-56, faujasite, mordenite and zeolite beta.

Please add new claim 12 as follows:

12. (New) A process for producing cumene which comprises the step of contacting benzene and propylene under at least partial liquid phase alkylating conditions with a particulate molecular sieve alkylation catalyst selected from the group consisting of MCM-22, PSH-3, SSZ-25, MCM-36, MCM-49, MCM-56, mordenite and zeolite beta,